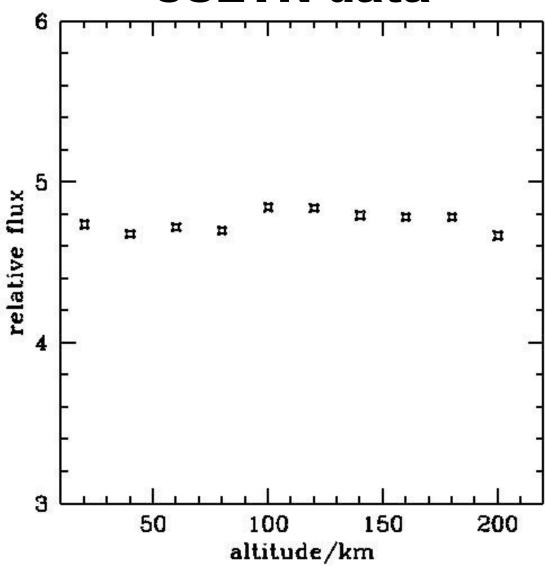
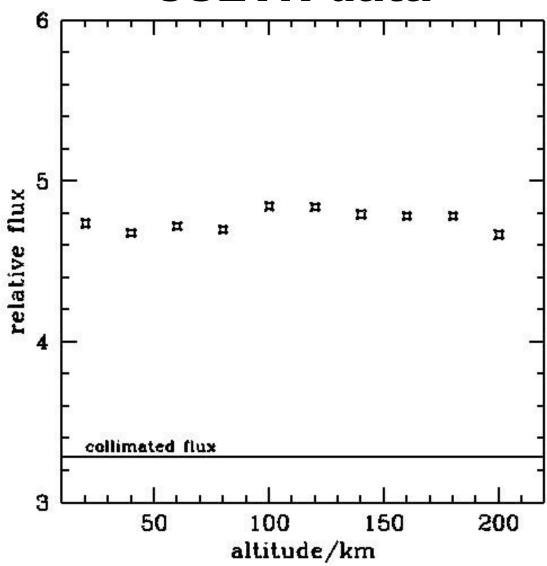
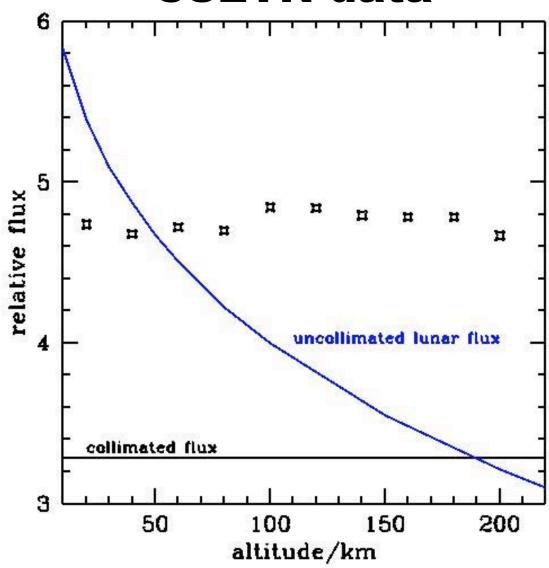
A comparison of orbital epithermal neutron datasets

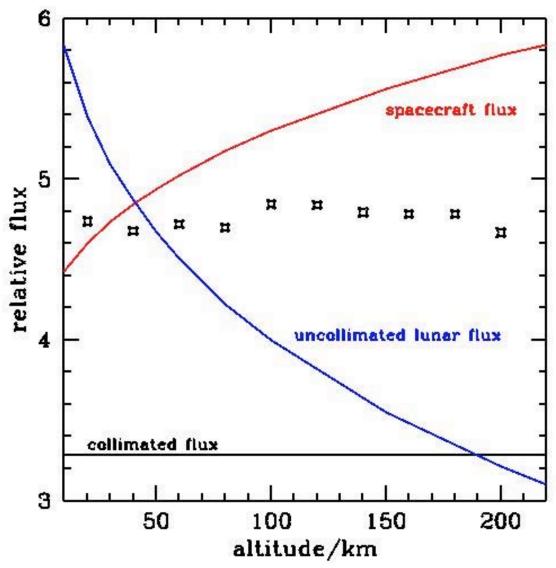
Vincent Eke (ICC, Durham University)

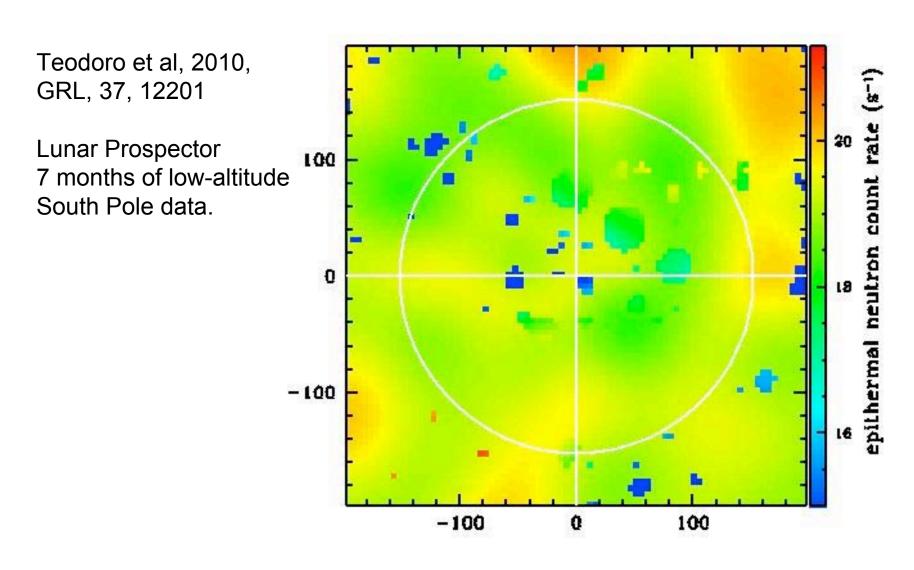
Luis Teodoro (Eloret Corp., NASA Ames) Rick Elphic (NASA Ames) Josh Cahill, David Lawrence (JHU APL) Bill Feldman, Tom Prettyman (PSI, Tucson)

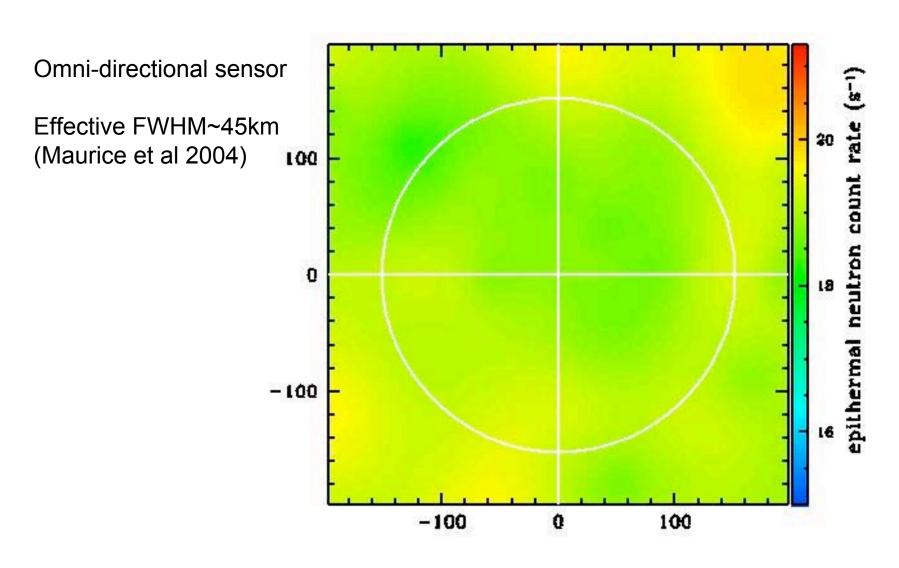


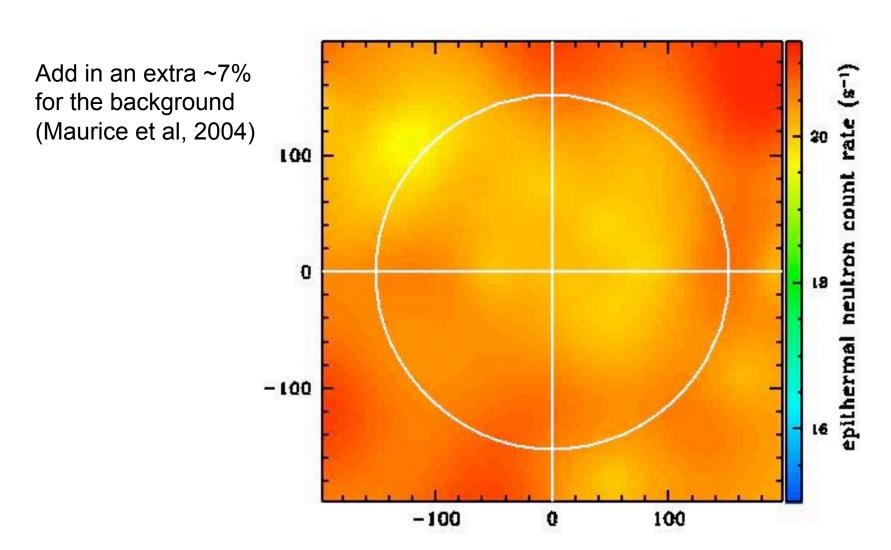


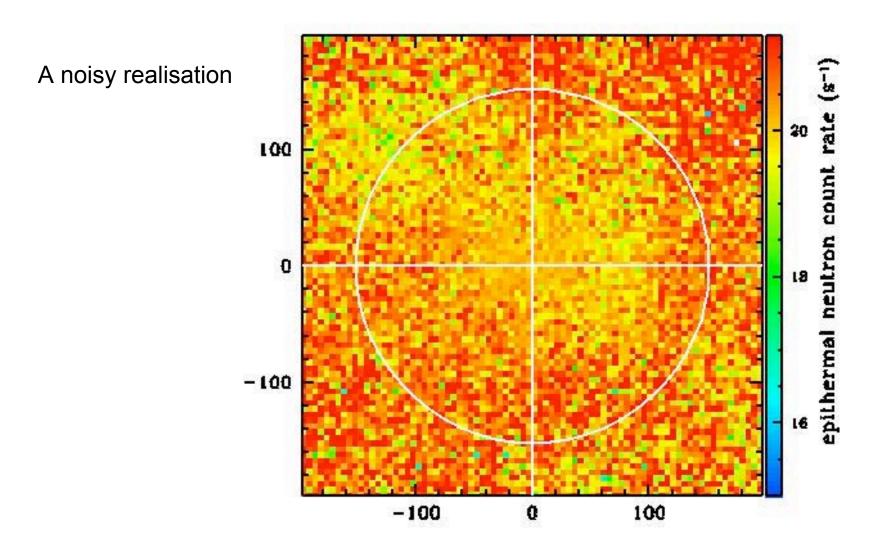


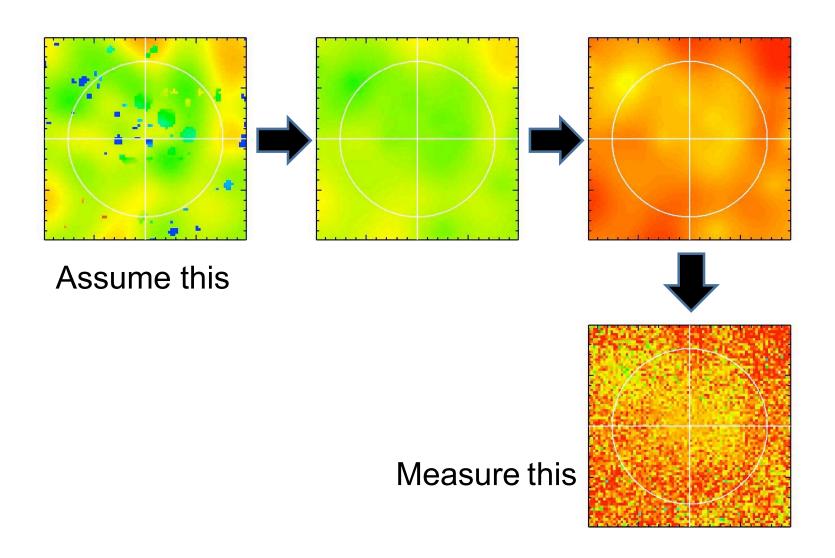




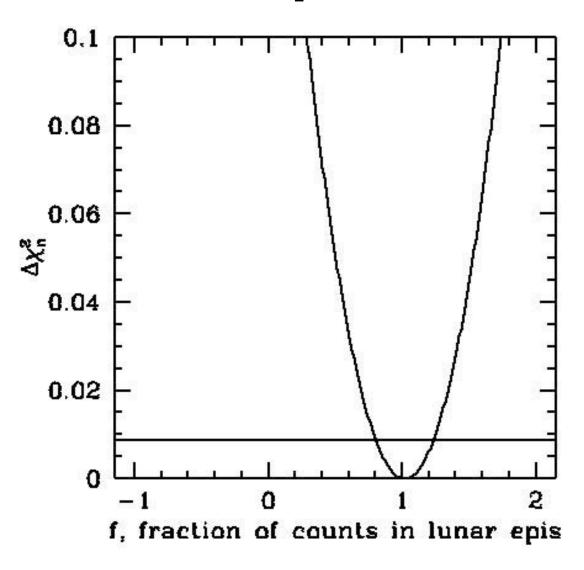




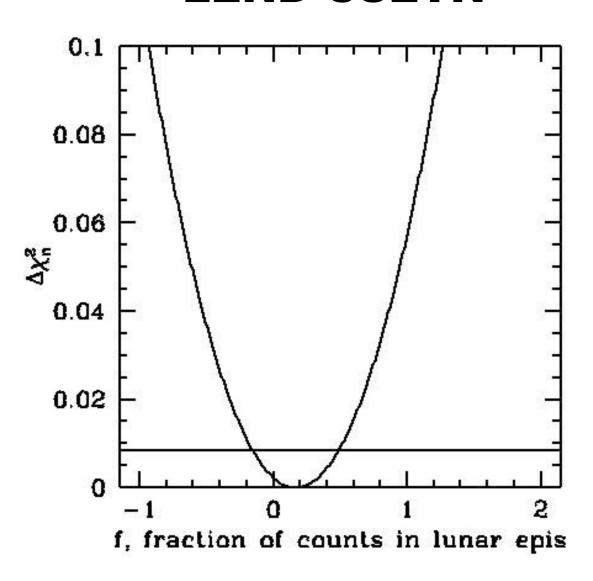


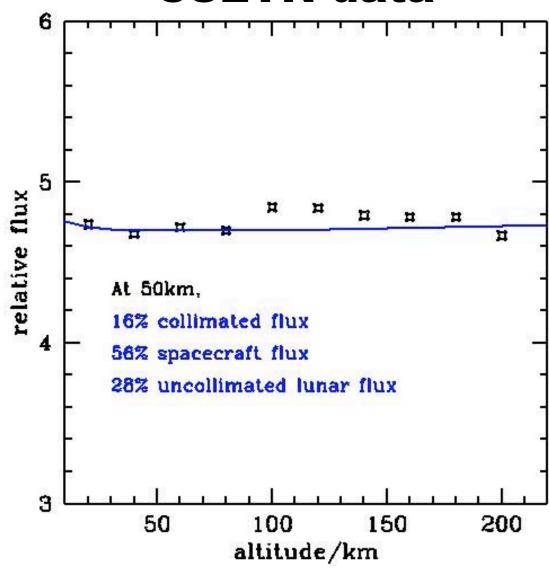


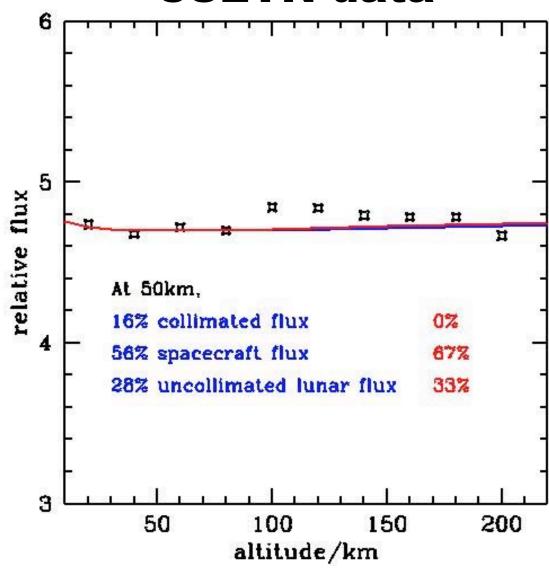
Lunar Prospector low-alt



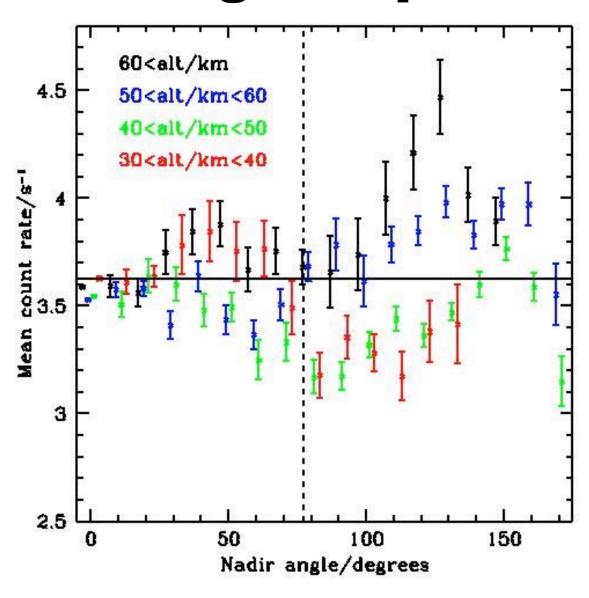
LEND CSETN







Zenith angle dependence



Conclusions

- 1. The publicly available LEND CSETN data do not appear to have had any background removed.
- The LEND CSETN data appear to have only a small (best fit ~16+/-12%) admixture of lunar epithermal neutrons added to a dominant background predominantly from the spacecraft.
- 3. These findings are nearer to the predictions of Lawrence et al (2009, Astrobiology) than the claimed signal level of the LEND team.
- 4. Comparison with Lunar Prospector helps to understand the LEND CSETN data.